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Application Number: 10/084, 072

Group Art Unit Number: 3635

Filing date: 02/27/2002

Name of the examiner who prepared
the most recent office action;

Mr. Kevin McDermott

Title of invention:

SUPPORT STRUCTURE FOR ISOLATING
EARTHQUAKE MOTIONS

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To the Commissioner for patents:

I wish to express my hearty thanks for your
kind treatness on my patent application in
details.

Your official actions were sent to me twice
since my application paper was filed in
your office on Feb. 27, 2002.

Copies of U. S. patent references were very help-
ful to me to understand prior arts similar to my
invention.

After careful consulting above cited U. S. patent
references I came to distinguish differences
between Mr. Gregory R. Brott' invention which is
resemble closely in their structures.

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I am now enclosing the different points

in details between above said two inventions
expecting your cordial understanding.

The full text of amended specification will
be filed in your office accordingly after your
permission.

Waiting your kind next official action,

Very truly yours,

Date: April 12, 2004

Applicant's name: Kiich Yatani

Signature: Kiich Yatani



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REMARKS

Some Differences between Mr. Gregory R. Brotz's DAMPENABLE BEARING (Pat. No. 6, 116, 782) and my invention (SUPPORT STRUCTURE FOR ISOLATING EARTHQUAKE MOTIONS)

Dear Mr. Kevin McDermott,

Thank you for your kind office action dated March 8, 2004.

I carefully and thoroughly read it and then would like to appeal to you that there are some differences between Mr. R. Brotz's DAMPENABLE BEARING and my invention as follows. (continue next pages)



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Differences between two inventions

Mr. Gregory R. Brotz' Patent (Pat. No. 6/116,782)	My invention Appl. No. 10/084,072
There must be frictions between pressure receiving support bearings.	There is no frictions between large steel balls and small steel balls. They move simultaneously.
There is no free movement to prevent friction of pressure free balls.	Pressure receiving support balls are moved by pressure applying balls, hence no linkage energy is generated
Object of generation of linkage energy is a structure.	There are no frictions between each balls in which small balls move all directions to make no frictions.
Employed partition board to prevent frictions would generate friction power, by which linkage energy is generated.	There are no objects to prevent free movement of pressure receiving support balls.
There is uncertainty on how linkage movement generated in case of the M.8 earthquake.	Linkage movement range between column and pressure receiving steel concrete of fundamental hoop is set to be 80cm+80cm in all directions in which spherical play as shockabsorber.